

Material Safety Data Sheet



5% QUAT ALGAECIDE

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Consumer Products, Inc.
MANUFACTURER'S ADDRESS421 Ann St., N.W., Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....11/11/02
TRADE NAME.....**5% QUAT ALGAECIDE**
CHEMICAL FAMILY.....Quaternary Ammonium Compound

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Alkyl Dimethyl Benzyl Ammonium Chloride	Not Established	Not Established	68424-85-12
Ethyl Alcohol	100ppm	100pp	64-17-5

SECTION III - PHYSICAL DATA

BOILING POINT Not Applicable
FREEZING POINT Not Applicable
VAPOUR PRESSURE Not Applicable
VAPOUR DENSITY (air=1) Not Applicable
SOLUBILITY IN H₂O..... Completely
ODOUR AND APPEARANCE Blue; Slight Aromatic odor
SPECIFIC GRAVITY 0.99
pH..... Not Established

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATIONNot Determined
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
MEANS OF EXTINCTION.....As for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES.....Cool fire exposed containers.
UNUSUAL FIRE HAZARD.....None Currently Known

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP?..... No
IARC MONOGRAPHS?..... No
OVER EXPOSURE EFFECTS May be fatal if swallowed in large quantities. Circulation shock, respiration depression, convulsions.
PRIMARY ROUTE(S) OF ENTRY Eye and Skin Contact
SPECIFIC FIRST AID PROCEDURES In case of eye contact: Flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water; wash contaminated clothing before reuse. If inhaled: Remove to fresh air. If swallowed: Immediately drink large quantity of milk, egg white, gelatin solution or if these are not available,

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EXPOSURE AGGRAVATED MEDICAL
CONDITIONS

drink large quantities of water. Avoid alcohol. Call physician
immediately.
None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID Do not mix with any other chemicals, especially strong oxidizers or reducing agents.
INCOMPATIBLE MATERIALS Soaps, Anionic Detergents
HAZARDOUS DECOMPOSITION PRODUCTS Hydrogen chloride fumes, carbon oxides, nitrogen oxides.
HAZARDOUS POLYMERIZATION Will Not Occur
POLYMERIZATION AVOID Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

LEAK AND SPILL PROCEDURES Small Spills: Flush area with large quantities of water. Large Spills: Absorb with compound such as clay and bury material in approved landfill.
WASTE DISPOSAL Incineration. Comply with all federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION None Required
VENTILATION None Required for Normal Use
PROTECTIVE GLOVES Rubber or other impervious materials.
EYE PROTECTION Chemical splash proof goggles.
OTHER PROTECTIVE EQUIPMENT A safety shower and eye bath should be available. For operations where spills or splashing may occur, use an impervious body covering and boots.
HANDLING PROCEDURES AND EQUIPMENT Store in cool, dry, well ventilated area. Keep containers closed when not in use.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS Corrosive, 8, II
DOT SHIPPING NAME Corrosive Liquid, N.O.S. or ORM-D (1 gallon or less)
UN NUMBER UN1903
REPORTABLE QUANTITY (RQ) Not Listed

REFERENCES

ZZ1ALK5 EPA REG. 57787-20